

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:14:21 ON 20 MAY 2003

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:14:48 ON 20 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAY 2003 HIGHEST RN 518003-32-2

DICTIONARY FILE UPDATES: 19 MAY 2003 HIGHEST RN 518003-32-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

=> s aminonucleoside

L1 5 AMINONUCLEOSIDE

=> fil hcapl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.62

4.83

FILE 'HCAPLUS' ENTERED AT 13:15:30 ON 20 MAY 2003

FILE COVERS 1907 - 20 May 2003 VOL 138 ISS 21

FILE LAST UPDATED: 19 May 2003 (20030519/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l1

L2 451 L1

=> s l2 not 1999-2003/py

4042646 1999-2003/PY

L3 412 L2 NOT 1999-2003/PY

=> s l2(8a)label?

385370 LABEL?

L4 5 L2(8A) LABEL?

=> s l2(8a)fluoresce?

356674 FLUORESCE?

L5 0 L2(8A) FLUORESCE?

=> s l2 and puromycin

7244 PUROMYCIN

L6 343 L2 AND PUROMYCIN

=> s l2(8a)puromycin

7244 PUROMYCIN

L7 169 L2(8A) PUROMYCIN

=> s l2 and label?

385370 LABEL?

L8 38 L2 AND LABEL?

=> s 18 and 13
L9 33 L8 AND L3

=> d tot

L9 ANSWER 1 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Cell proliferation and apoptosis of the glomerular epithelial cells in rats with puromycin aminonucleoside nephrosis
SO Pathobiology (1998), 66(5), 221-229
CODEN: PATHEF; ISSN: 1015-2008
AU Shiiki, Hideo; Sasaki, Yoshihiko; Nishino, Toshihiko; Kimura, Toshiaki; Kurioka, Hideyuki; Fujimoto, Shinichi; Dohi, Kazuhiro
AN 1998:627605 HCAPLUS
DN 129:243634

L9 ANSWER 2 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Puromycin aminonucleoside and adriamycin disturb cytoskeletal and extracellular matrix protein organization, but not protein synthesis of cultured glomerular epithelial cells
SO Exp. Nephrol. (1994), 2(1), 40-50
CODEN: EXNEEG; ISSN: 1018-7782
AU Coers, Wilko; Huitema, Sippie; van der Horst, Marian L. C.; Weening, Jan J.
AN 1994:449705 HCAPLUS
DN 121:49705

L9 ANSWER 3 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Reduced sialylation of podocalyxin - the major sialoprotein of the rat kidney glomerulus - in aminonucleoside nephrosis
SO American Journal of Pathology (1985), 118(3), 343-9
CODEN: AJPA4; ISSN: 0002-9440
AU Kerjaschki, Dontscho; Vernillo, Anthony T.; Farquhar, Marilyn G.
AN 1985:202095 HCAPLUS
DN 102:202095

L9 ANSWER 4 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI On the structural specificity of puromycin binding to Escherichia coli ribosomes
SO Biochemistry (1985), 24(9), 2268-74
CODEN: BICHAW; ISSN: 0006-2960
AU Weitzmann, Carl; Cooperman, Barry S.
AN 1985:181144 HCAPLUS
DN 102:181144

L9 ANSWER 5 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Renal hemodynamics in aminonucleoside nephrosis in rats
SO Japanese Journal of Nephrology (1984), 26(10), 1275-84
CODEN: NJGKAU; ISSN: 0385-2385
AU Okamoto, Mitsuo
AN 1985:76773 HCAPLUS
DN 102:76773

L9 ANSWER 6 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Heterologous enzyme immunoassay for puromycin aminonucleoside using .beta.-D-galactosidase as a **label**
SO Journal of Immunological Methods (1984), 72(1), 109-18
CODEN: JIMMBG; ISSN: 0022-1759
AU Fujiwara, Kunio; Ono, Satoshi; Fujinaka, Hiromi; Kitagawa, Tsunehiro
AN 1984:522473 HCAPLUS
DN 101:122473

L9 ANSWER 7 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Unaltered anionic sites of glomerular basement membrane in aminonucleoside

nephrosis

SO Kidney International (1984), 25(4), 613-18
CODEN: KDYIA5; ISSN: 0085-2538
AU Kanwar, Yashpal S.; Jakubowski, Michael L.
AN 1984:452829 HCAPLUS
DN 101:52829

L9 ANSWER 8 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Alterations in proteoglycan metabolism in the nephrotic syndrome induced
by the aminonucleoside of puromycin
SO Laboratory Investigation (1984), 50(5), 543-51
CODEN: LAINAW; ISSN: 0023-6837
AU Klein, David J.; Dehnel, Peter J.; Oegema, Theodore R.; Brown, David M.
AN 1984:421626 HCAPLUS
DN 101:21626

L9 ANSWER 9 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Photoaffinity **labeling** of Escherichia coli ribosomes by an aryl
azide analog of puromycin. III. Evidence for the functional site
specificity of **labeling**
SO Biochemistry (1982), 21(16), 3809-17
CODEN: BICHAW; ISSN: 0006-2960
AU Nicholson, Allen W.; Hall, Clifford C.; Strycharz, William A.; Cooperman,
Barry S.
AN 1982:467949 HCAPLUS
DN 97:67949

L9 ANSWER 10 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Basis for the differential action of aminonucleoside on normal and
transformed human fibroblasts
SO JNCI, Journal of the National Cancer Institute (1982), 68(3), 407-13
CODEN: JJIND8; ISSN: 0198-0157
AU Albanese, Ernest A.; Studzinski, George P.
AN 1982:400387 HCAPLUS
DN 97:387

L9 ANSWER 11 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Altered RNA/protein ratio associated with the induction of differentiation
of Friend erythroleukemia cells
SO Proceedings of the National Academy of Sciences of the United States of
America (1981), 78(6), 3882-6
CODEN: PNASA6; ISSN: 0027-8424
AU Harel, L.; Blat, C.; Lacour, F.; Friend, C.
AN 1981:491696 HCAPLUS
DN 95:91696

L9 ANSWER 12 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Metabolism of puromycin aminonucleoside in transformed human lung
fibroblasts and the mechanism of its inhibition of RNA synthesis
SO Molecular Pharmacology (1980), 17(2), 262-7
CODEN: MOPMA3; ISSN: 0026-895X
AU Albanese, Ernest A.; Studzinski, George P.
AN 1980:158350 HCAPLUS
DN 92:158350

L9 ANSWER 13 OF 33 HCAPLUS COPYRIGHT 2003 ACS
TI Effects of aminonucleoside on rat blood-peritoneal barrier permeability
SO Journal of Laboratory and Clinical Medicine (1979), 94(2), 295-302
CODEN: JLCMAK; ISSN: 0022-2143
AU Avasthi, P. S.
AN 1979:534808 HCAPLUS
DN 91:134808

L9 ANSWER 14 OF 33 HCAPLUS COPYRIGHT 2003 ACS

TI Photoaffinity **labeling** of the ribosomal peptidyl transferase site with synthetic puromycin analogs
 SO Biochemistry (1978), 17(25), 5489-93
 CODEN: BICHAW; ISSN: 0006-2960
 AU Vince, Robert; Brownell, Jay; Fong, Kei-Lai Lau
 AN 1979:35250 HCAPLUS
 DN 90:35250

L9 ANSWER 15 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Photoaffinity **labeling** of Escherichia coli ribosomes with an aryl azide analog of puromycin
 SO FEBS Letters (1978), 90(2), 203-8
 CODEN: FEBLAL; ISSN: 0014-5793
 AU Nicholson, Allen W.; Cooperman, Barry S.
 AN 1978:542222 HCAPLUS
 DN 89:142222

L9 ANSWER 16 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Photoinduced affinity **labeling** of the Escherichia coli ribosome puromycin site
 SO Biochemistry (1978), 17(4), 561-9
 CODEN: BICHAW; ISSN: 0006-2960
 AU Jaynes, E. N., Jr.; Grant, P. G.; Giangrande, G.; Wieder, R.; Cooperman, B. S.
 AN 1978:132840 HCAPLUS
 DN 88:132840

L9 ANSWER 17 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Mechanisms of the puromycin-induced defects in the transglomerular passage of water and macromolecules
 SO Journal of Clinical Investigation (1977), 60(1), 152-61
 CODEN: JCINAO; ISSN: 0021-9738
 AU Bohrer, Michael P.; Baylis, Christine; Robertson, Channing R.; Brenner, Barry M.; Troy, Julia L.; Willis, Wayne T.
 AN 1977:512411 HCAPLUS
 DN 87:112411

L9 ANSWER 18 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Synthesis of thiol-containing analogs of puromycin and their interaction with N-acetylphenylalanyl-transfer ribonucleic acid on ribosomes to form thioesters
 SO Biochemical Journal (1975), 149(1), 209-20
 CODEN: BIJOAK; ISSN: 0264-6021
 AU Gooch, John; Hawtrey, Arthur O.
 AN 1976:13025 HCAPLUS
 DN 84:13025

L9 ANSWER 19 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI fMet-tRNA^{fMet} binding and peptidyl transferase function in free and bound ribosomes from normal and puromycin aminonucleoside-treated rats
 SO Chemico-Biological Interactions (1975), 11(5), 431-9
 CODEN: CBINA8; ISSN: 0009-2797
 AU Innanen, V. T.; Nicholls, D. M.
 AN 1976:697 HCAPLUS
 DN 84:697

L9 ANSWER 20 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Chemical ionization mass spectrometry of nucleosides. Mechanisms of ion formation and estimations of proton affinity
 SO Journal of the American Chemical Society (1975), 97(12), 3436-44
 CODEN: JACSAT; ISSN: 0002-7863
 AU Wilson, M. S.; McCloskey, James A.
 AN 1975:497802 HCAPLUS
 DN 83:97802

L9 ANSWER 21 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Autoradiographic studies of tritium-**labeled** uridine uptake by
 human cells in tissue culture treated with puromycin (Puro and Pan) and
 x-radiation
 SO Arhiv za Higijenu Rada i Toksikologiju (1975), 26(1), 3-13
 CODEN: AHRTAN; ISSN: 0004-1254
 AU Skreb, Yvette; Radesic, Ljerka; Racic, Jadranka
 AN 1975:490741 HCAPLUS
 DN 83:90741

L9 ANSWER 22 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Puromycin aminonucleoside increases the synthesis of ribonuclease
 inhibitor and other proteins in kidney
 SO Chemico-Biological Interactions (1974), 8(4), 225-41
 CODEN: CBINA8; ISSN: 0009-2797
 AU Nicholls, D. M.; Markle, H. V.
 AN 1974:445977 HCAPLUS
 DN 81:45977

L9 ANSWER 23 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Effects of puromycin aminonucleoside on protein synthesis in Absidia
 coerulea
 SO Canadian Journal of Biochemistry (1970), 48(8), 858-62
 CODEN: CJBIAE; ISSN: 0008-4018
 AU Nicholls, Doris M.; Cohen, Julia H.
 AN 1970:495727 HCAPLUS
 DN 73:95727

L9 ANSWER 24 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Mass spectrometry of nucleic acid components. Analogs of adenosine
 SO Journal of the American Chemical Society (1970), 92(8), 2510-22
 CODEN: JACSAT; ISSN: 0002-7863
 AU Shaw, Stanley James; Desiderio, Dominic M.; Tsuboyama, Kaoru; McCloskey,
 James A.
 AN 1970:404136 HCAPLUS
 DN 73:4136

L9 ANSWER 25 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Interaction of aminonucleoside-8-14C with subcellular fractions of rat
 kidney cortex
 SO Life Sciences (1969), 8(24), 1299-307
 CODEN: LIFSAK; ISSN: 0024-3205
 AU Bartlett, Paul; Bossart, James F.; Podsiadly, Christopher J.
 AN 1970:64643 HCAPLUS
 DN 72:64643

L9 ANSWER 26 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Metabolism of puromycin aminonucleoside in the normal, prenephrotic, and
 nephrotic rat
 SO Proceedings of the Society for Experimental Biology and Medicine (1967),
 125(1), 248-52
 CODEN: PSEBAA; ISSN: 0037-9727
 AU Derr, Robert F.; Alexander, Carl Stuart; Nagasawa, Herbert T.
 AN 1967:442272 HCAPLUS
 DN 67:42272

L9 ANSWER 27 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Effect of puromycin aminonucleoside on the incorporation of
labeled precursors into rat kidney RNA
 SO Biochimica et Biophysica Acta (1966), 129(2), 288-93
 CODEN: BBACAQ; ISSN: 0006-3002
 AU Dickie, Nester; Nagasawa, Herbert T.; Derr, Robert F.; Alexander, Carl
 Stuart; Nagasawa, H. T.

AN 1967:26105 HCAPLUS
 DN 66:26105

L9 ANSWER 28 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Inhibition of ribonucleoside metabolism in Ehrlich ascites tumor cells by
 purine analog ribonucleosides
 SO Canadian Journal of Biochemistry and Physiology (1965), 43(10), 1701-10
 CODEN: CJBPAZ; ISSN: 0576-5544
 AU Paterson, A. R. P.; Simpson, A. I.
 AN 1965:482928 HCAPLUS
 DN 63:82928
 OREF 63:15331a-c

L9 ANSWER 29 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Comparative investigations of the action of puromycin and its
 aminonucleoside on protein synthesis
 SO Klinische Wochenschrift (1964), 42(12), 583-6
 CODEN: KLWOAZ; ISSN: 0023-2173
 AU Decker, K.; Franz, H. E.; Franz, M.
 AN 1965:77395 HCAPLUS
 DN 62:77395
 OREF 62:13731g-h

L9 ANSWER 30 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Effect of an aminonucleoside from puromycin on the plasma protein
 metabolism of the rat
 SO Radio-Isotope Haematol., Intern. Symp., 1., Freiburg i. B. (1963), Volume
 Date 1962 331-8
 AU Koertge, P.; Oeff, K.
 AN 1965:24896 HCAPLUS
 DN 62:24896
 OREF 62:4495h,4496a-b

L9 ANSWER 31 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Mechanism of aminonucleoside-induced nephrosis in the rat. II. Metabolism
 of aminonucleoside-8-C14
 SO Proc. Soc. Exptl. Biol. Med. (1961), 108, 611-15
 AU Bartlett, Paul Devere
 AN 1962:76156 HCAPLUS
 DN 56:76156
 OREF 56:14830b-d

L9 ANSWER 32 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Isotope nephrography in aminonucleoside nephrosis
 SO Klin. Wochschr. (1961), 39, 757-9
 AU Winkel, Karl zum
 AN 1961:126153 HCAPLUS
 DN 55:126153
 OREF 55:23771a-c

L9 ANSWER 33 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 TI Mechanism of aminonucleoside-induced nephrosis in the rat. I. Metabolism
 of tritiated aminonucleoside
 SO Proc. Soc. Exptl. Biol. Med. (1959), 102, 499-503
 AU Bartlett, Paul; Shelata, Shirley
 AN 1960:18158 HCAPLUS
 DN 54:18158
 OREF 54:3673g-h

=> d ab 4,6,9,15,16,18,19,29

L9 ANSWER 4 OF 33 HCAPLUS COPYRIGHT 2003 ACS
 AB The structural specificity of the previously identified puromycin-binding

sites on the E. coli ribosome were studied by examg. the interactions of a series of adenine-contg. compds. with these sites. The inhibition of [3H]puromycin photoincorporation into ribosomal proteins from these sites, the site-specific photoincorporation of the 3H-labeled compds. themselves, and the inhibition of peptidyltransferase activity were examd. Extensive use was made of a recently developed HPLC method for ribosomal protein sepn. Puromycin aminonucleoside (PANS) contains all of the structural elements necessary for specific binding to the 3 major puromycin-binding sites; binding to the higher affinity sites lead to photoincorporation into proteins L23 and S14 and binding to the lower affinity site lead to photoincorporation into S7. Although tight binding to the L23 and S7 sites requires both the N6,N6-dimethyl and 3'-amino groups within PANS, only the N6,N6-dimethyl group is required for binding to the S14 site. The current results reinforce the previous conclusion that photoincorporation into L23 takes place from the A' site within the peptidyltransferase center; the S14 site may be specific for the binding of modified nucleosides. Furthermore, puromycin photoincorporation must proceed through its adenosyl moiety.

L9 ANSWER 6 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB A heterologous enzyme immunoassay (EIA) was developed to quantify puromycin aminonucleoside (PA) [58-60-6]. This double antibody assay was based on the use of anti-puromycin (PU) antibody and used .beta.-D-galactosidase [9031-11-2]-labeled PA conjugate prep'd. via N-(m-maleimidobenzoyloxy)succinimide. The std. curve of the assay ranged from 1 ng to 30 ng, and the lower limit of detection was 22.7 nM. The EIA was found to be .apprx.20 times more sensitive than the homologous EIA for PA with anti-PA antibody and PA-.beta.-D-galactosidase conjugate. The heterologous EIA was free from interference by any purine or pyrimidine analogs and drug levels were easily detd. in rat tissue following i.v. administration at a dose of 15 mg/kg.

L9 ANSWER 9 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB The photoincorporation of p-azido[3H]puromycin into specific ribosomal proteins and rRNA is decreased in the presence of puromycin, thus demonstrating that **labeling** is site-specific. The magnitudes of the decreases in incorporation into the major **labeling** proteins of the 50 S subunit found on addn. of different potential ribosome ligands parallel the abilities of these same ligands to inhibit peptidyltransferase. Thus, p-azidopuromycin photoincorporation into these proteins may occur at the peptidyltransferase center of the 50 S subunit, a conclusion supported by other studies of ribosome structure and function. A striking new finding is that puromycin aminonucleoside is a competitive inhibitor of puromycin in peptidyltransferase. The photoincorporation of p-azidopuromycin is accompanied by loss of ribosomal function, but photoincorporated p-azidopuromycin is not a competent peptidyl acceptor. The significance of these results is discussed. Photolabeling of proteins of the 30 S subunit by p-azidopuromycin apparently occurs at sites of lower puromycin affinity than that of the 50 S site. The possible relation of the major proteins **labeled** (S18, S7, and S14) to tRNA binding is considered.

L9 ANSWER 15 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB A photolabile deriv., p-azidopuromycin (I), 6-dimethylamino-9-[3'-deoxy-3'-(p-azido-L-phenylalanyl)amino]-.beta.-D-ribofuranosyl]purine was synthesized. The tritiated deriv. of I covalently **labeled** 70 S ribosomes on irradiation with either 2537 or 3500 .ANG. light. Photolabeling proceeded primarily into protein and was extensively decreased by 1.9 mM puromycin, indicating that much of the **labeling** is site-specific. Photoaffinity **labeling** by both puromycin and I with respect to the 50 S subunit gives consistent results in that both compds. incorporate predominantly into the same general area.

L9 ANSWER 16 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB The photoincorporation of puromycin into E. coli ribosomes was studied in detail. Incorporation into protein L23 as a function of puromycin concn. follows a simple satn. curve and is specifically blocked by structural and functional analogs of puromycin, thus demonstrating that such incorporation proceeds via an affinity **labeling** process. Incorporation into L23 becomes more specific as the light fluence is reduced, indicating that such incorporation takes place from a native rather than light-denatured puromycin site. L23 remains the major **labeled** protein in ribosomes prepd. by several procedures, suggesting the conservative nature of the site. In addn., affinity **labeling** of S14 and of a site in the RNA fraction of the 50 S particle occurred. Specific incorporation apparently proceeds with an anomalously high quantum yield. The detailed photochem. mechanism is not understood, although 8-alkylation of the purine moiety was excluded. Incorporation is inhibited significantly in the presence of thiol reagents.

L9 ANSWER 18 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB L-6-dimethylamino-9-[1'-[3'-(2"-mercapto-3"-phenylpropionamido)-3'-deoxy-.beta.-D-ribofuranosyl]]purine (I) [57382-67-9] (1mM) and 2mM DL-phenyllactylpuromycin [57378-85-5], which were prepd. chem., released 3H-**labeled** N-acetyl-L-phenylalanine (II) [2018-61-3] from its tRNA carrier as the thioester N-acetylphenylalanylthiopuromycin (III) [57359-75-8] in an Escherichia coli ribosomal system but not in a rat liver ribosomal system. III, which prepd. from I and II, was stable to hydrolysis in the std. incubation medium at pH 7.6. The E. coli ribosomal system is capable therefore of forming (besides normal acid amides) esters, as shown by S. Fahnestock et al. (1970), and thioesters.

L9 ANSWER 19 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB Treatment of rats with puromycin aminonucleoside [58-60-6], which increases the incorporation of **labelled** phenylalanyl-tRNA into polypeptide chains in liver ribosome preps. studied in vitro, did not change the factor-dependent binding of fMet-tRNA^{fMet} to ribosomes nor the peptidyl transferase [9059-29-4] function of the ribosomes. Peptidyl transferase function, as measured by fMet-tRNA^{fMet}-puromycin formation, was comparable in the free and bound ribosome preps. Similarly, the factor-dependent binding of fMet-tRNA^{fMet} to ribosomes was the same in free ribosome preps. obtained from rat liver as it was in bound ribosome preps. that had been freed of membranes by puromycin incubation and high salt wash.

L9 ANSWER 29 OF 33 HCAPLUS COPYRIGHT 2003 ACS

AB The effect of puromycin and its aminonucleoside on protein synthesis was compared in Ehrlich ascites tumor cells of the mouse and in rat liver and kidney. While the blocking of cytoplasmatic protein synthesis by puromycin was confirmed, the aminonucleoside had no appreciable effect in this regard, even after prolonged application. Nuclear protein synthesis was not interfered with by either puromycin or aminonucleoside. Injected tritium-**labeled** aminonucleoside was retained in the body only in small amts. and showed no preference for a single organ in the rat, but was distributed almost evenly over the whole body.

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
96.37	101.20

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-5.21	-5.21

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 13:29:24 ON 20 MAY 2003

PI WO 9816636 23 Apr 1998

- L157 ANSWER 2 OF 205 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.DUPLICATE 1
TI Proteasome-mediated degradation of apolipoprotein B targets both nascent peptides cotranslationally before translocation and full-length apolipoprotein B after translocation into the endoplasmic reticulum.
SO Journal of Biological Chemistry, (16 Oct 1998) 273/42 (27225-27230).
Refs: 25
ISSN: 0021-9258 CODEN: JBCHA3
AU Liao W.; Yeung S.-C.J.; Chan L.
AN 1998370561 EMBASE
- L157 ANSWER 3 OF 205 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Interaction between photoactivated rhodopsin and the C-terminal peptide of transducin alpha-subunit studied by FTIR spectroscopy.
SO Biochemistry, (Nov. 10, 1998) Vol. 37, No. 45, pp. 15816-15824.
ISSN: 0006-2960.
AU Nishimura, Shoko; Kandori, Hideki (1); Maeda, Akio
AN 1999:16706 BIOSIS
- L157 ANSWER 4 OF 205 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 2
TI Neuronal expression of the glutamate transporter GLT-1 in hippocampal microcultures
SO JOURNAL OF NEUROSCIENCE, (15 JUN 1998) Vol. 18, No. 12, pp. 4490-4499.
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC 20036.
ISSN: 0270-6474.
AU Mennerick S (Reprint); Dhond R P; Benz A; Xu W Y; Rothstein J D; Danbolt N C; Isenberg K E; Zorumski C F
AN 1998:458603 SCISEARCH
- L157 ANSWER 5 OF 205 MEDLINE DUPLICATE 3
TI Automated interpretation of high-energy collision-induced dissociation spectra of singly protonated peptides by 'SeqMS', a software aid for de novo sequencing by tandem mass spectrometry.
SO RAPID COMMUNICATIONS IN MASS SPECTROMETRY, (1998) 12 (23) 1867-78.
Journal code: 8802365. ISSN: 0951-4198.
AU Fernandez-de-Cossio J; Gonzalez J; Betancourt L; Besada V; Padron G; Shimonishi Y; Takao T
AN 1999058885 MEDLINE
- L157 ANSWER 6 OF 205 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Cloning and characterization of a novel hepatitis B virus x binding protein that inhibits viral replication.
SO Journal of Virology, (March, 1998) Vol. 72, No. 3, pp. 1737-1743.
ISSN: 0022-538X.
AU Melegari, Margherita; Scaglioni, Pier Paolo; Wands, Jack R. (1)
AN 1998:164985 BIOSIS
- L157 ANSWER 7 OF 205 MEDLINE DUPLICATE 4
TI Microfabricated device coupled with an electrospray ionization quadrupole time-of-flight mass spectrometer: protein identifications based on enhanced-resolution mass spectrometry and tandem mass spectrometry data.
SO RAPID COMMUNICATIONS IN MASS SPECTROMETRY, (1998) 12 (20) 1435-44.
Journal code: 8802365. ISSN: 0951-4198.
AU Figeys D; Lock C; Taylor L; Aebersold R
AN 1999012623 MEDLINE
- L157 ANSWER 8 OF 205 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI High resolution immunogold analysis reveals distinct subcellular compartmentation of protein kinase Cgamma and delta in rat Purkinje cells.
SO Neuroscience, (Feb., 1998) Vol. 82, No. 3, pp. 709-725.
ISSN: 0306-4522.
AU Cardell, M.; Landsend, A. S.; Eidet, J.; Wieloch, T.; Blackstad, T. W.;

Ottersen, O. P. (1)
AN 1998:35950 BIOSIS

L157 ANSWER 9 OF 205 MEDLINE DUPLICATE 5
TI The coupling region of F0F1 ATP synthase: binding of the hydrophilic loop of F0 subunit c to F1.
SO FEBS LETTERS, (1998 Jul 24) 431 (3) 419-22.
Journal code: 0155157. ISSN: 0014-5793.
AU Licher T; Kellner E; Lill H
AN 1998378357 MEDLINE

L157 ANSWER 10 OF 205 MEDLINE DUPLICATE 6
TI Protein phosphatase type-2C isozymes present in vertebrate retinae: purification, characterization, and localization in photoreceptors.
SO JOURNAL OF NEUROSCIENCE RESEARCH, (1998 Feb 1) 51 (3) 328-38.
Journal code: 7600111. ISSN: 0360-4012.
AU Klumpp S; Selke D; Fischer D; Baumann A; Muller F; Thanos S
AN 1998146173 MEDLINE

L157 ANSWER 11 OF 205 MEDLINE DUPLICATE 7
TI IgE antibodies in sera from patients with bullous pemphigoid are autoantibodies preferentially directed against the 230-kDa epidermal antigen (BP230).
SO JOURNAL OF CLINICAL IMMUNOLOGY, (1998 May) 18 (3) 202-9.
Journal code: 8102137. ISSN: 0271-9142.
AU Ghohestani R F; Cozzani E; Delaporte E; Nicolas J F; Parodi A; Claudy A
AN 1998287675 MEDLINE

L157 ANSWER 12 OF 205 MEDLINE
TI Ribosomal release without peptidyl tRNA hydrolysis at translation termination in a eukaryotic system.
SO RNA, (1998 Feb) 4 (2) 181-8.
Journal code: 9509184. ISSN: 1355-8382.
AU Cao J; Geballe A P
AN 1998230243 MEDLINE

L157 ANSWER 13 OF 205 MEDLINE DUPLICATE 8
TI Type I procollagen synthesis is regulated by steroids and related hormones in human osteosarcoma cells.
SO JOURNAL OF CELLULAR BIOCHEMISTRY, (1998 Feb 1) 68 (2) 151-63.
Journal code: 8205768. ISSN: 0730-2312.
AU Mahonen A; Jukkola A; Risteli L; Risteli J; Maenpaa P H
AN 1998105282 MEDLINE

L157 ANSWER 14 OF 205 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI The C-terminus shortened analogs of the insect peptide oostatic hormone with accelerated activity.
SO Bioorganic Chemistry, (Oct. 15, 1998) Vol. 26, No. 3, pp. 131-140.
ISSN: 0045-2068.
AU Hlavacek, Jan (1); Tykva, Richard (1); Bennetova, Blanka; Barth, Tomislav (1)
AN 1999:9918 BIOSIS

L157 ANSWER 15 OF 205 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 9
TI Studies on an affinity label for the sulfuryl acceptor binding site in an aryl sulfotransferase
SO CHEMICO-BIOLOGICAL INTERACTIONS, (20 FEB 1998) Vol. 109, No. 1-3, pp. 81-92.
Publisher: ELSEVIER SCI IRELAND LTD, CUSTOMER RELATIONS MANAGER, BAY 15, SHANNON INDUSTRIAL ESTATE CO, CLARE, IRELAND.
ISSN: 0009-2797.
AU Duffel M W (Reprint); Chen G P; Sharma V
AN 1998:275513 SCISEARCH

L157 ANSWER 16 OF 205 HCAPLUS COPYRIGHT 2003 ACS

TI Human DNA mismatch repair protein MSH-2 binds by DNA mismatches and is useful for detecting mutations or polymorphisms in genetic material

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

IN Markham, Alexander Fred; Whitehouse, Adrian

AN 1997:372258 HCAPLUS

DN 126:339666

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9715657	A1	19970501	WO 1996-GB2595	19961023
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
AU 9673165	A1	19970515	AU 1996-73165	19961023

L157 ANSWER 17 OF 205 MEDLINE

TI The amino-terminal 118 amino acids of Escherichia coli trigger factor constitute a domain that is necessary and sufficient for binding to ribosomes.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Aug 29) 272 (35) 21865-71.

Journal code: 2985121R. ISSN: 0021-9258.

AU Hesterkamp T; Deuerling E; Bukau B

AN 97413782 MEDLINE

L157 ANSWER 18 OF 205 MEDLINE DUPLICATE 10

TI Co-translational degradation of apolipoprotein B100 by the proteasome is prevented by microsomal triglyceride transfer protein. Synchronized translation studies on HepG2 cells treated with an inhibitor of microsomal triglyceride transfer protein.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Aug 15) 272 (33) 20435-42.

Journal code: 2985121R. ISSN: 0021-9258.

AU Benoist F; Grand-Perret T

AN 97400517 MEDLINE

L157 ANSWER 19 OF 205 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

DUPLICATE 11

TI Phosphorylation sites in polyomavirus large T antigen that regulate its function in viral, but not cellular, DNA synthesis.

SO Journal of Virology, (1997) Vol. 71, No. 9, pp. 6472-6478.

ISSN: 0022-538X.

AU Chatterjee, Alakananda; Bockus, Beverly J.; Gjorup, Ole V.; Schaffhausen, Brian S. (1)

AN 1997:438185 BIOSIS

L157 ANSWER 20 OF 205 MEDLINE DUPLICATE 12

TI Heparin-binding properties of selenium-containing thioredoxin reductase from HeLa cells and human lung adenocarcinoma cells.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 Jun 10) 94 (12) 6138-41.

Journal code: 7505876. ISSN: 0027-8424.

AU Liu S Y; Stadtman T C

AN 97322338 MEDLINE

L157 ANSWER 21 OF 205 MEDLINE

TI **Ribosome stalling** is responsible for arginine-specific translational attenuation in Neurospora crassa.

SO MOLECULAR AND CELLULAR BIOLOGY, (1997 Sep) 17 (9) 4904-13.

Journal code: 8109087. ISSN: 0270-7306.

AU Wang Z; Sachs M S